WEST

End of Result Set

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L2: Entry 1 of 1 File: DWPI Nov 12, 1991

DERWENT-ACC-NO: 1991-374211
DERWENT-WEEK: 199151

TITLE: Winding for inductor or transformer - has structure in which surface-mount terminal leads are integral with coil-patterns conductor plate NoAbstract Dwg 1/4

PATENT-ASSIGNEE:

ASSIGNEE	CODE
NEC CORP	NIDE
NEC MIYAGI LTD	NIDE

PRIORITY-DATA: 1990JP-0050940 (March 2, 1990)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP 03253009 A	November 12, 1991		000	

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
JP 03253009A	March 2, 1990	1990JP-0050940	

INT-CL (IPC): H01F 17/04; H01F 19/00
ABSTRACTED-PUB-NO:
EQUIVALENT-ABSTRACTS:

TITLE-TERMS: WIND INDUCTOR TRANSFORMER STRUCTURE SURFACE MOUNT TERMINAL LEAD INTEGRAL COIL PATTERN CONDUCTOR PLATE NOABSTRACT

DERWENT-CLASS: V02

EPI-CODES: V02-F01; V02-F02;

SECONDARY-ACC-NO:
Non-CPI Secondary Accession Numbers: N1991-286263

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      Set  Items  Description
       ---  -----  -----------
? s (cut? or sever?) and electrical(3w)component? and ring? and (fold? or
deform?)
>>>File 345 processing for RING? stopped at RINGWELLEN
Processing
          785374  CUT?
         1515091  SEVER?
          959339  ELECTRICAL
         2544062  COMPONENT?
            8328  ELECTRICAL(3W)COMPONENT?
          507805  RING?
          191559  FOLD?
          623224  DEFORM?
      S1       0  (CUT? OR SEVER?) AND ELECTRICAL(3W)COMPONENT? AND RING?
                  AND (FOLD? OR DEFORM?)
? s (cut? or sever?) and component? and ring? and (fold? or deform?) and
half-turn?
>>>File 345 processing for RING? stopped at RINGWELLEN
          785374  CUT?
         1515091  SEVER?
         2544062  COMPONENT?
          507805  RING?
          191559  FOLD?
          623224  DEFORM?
              23  HALF-TURN?
      S2       0  (CUT? OR SEVER?) AND COMPONENT? AND RING? AND (FOLD? OR
                  DEFORM?) AND HALF-TURN?
? s  (cut? or sever?) and component? and ring? and (fold? or deform? or bend)
>>>File 345 processing for RING? stopped at RINGWELLEN
          785374  CUT?
         1515091  SEVER?
         2544062  COMPONENT?
          507805  RING?
          191559  FOLD?
          623224  DEFORM?
           48042  BEND
      S3     170  (CUT? OR SEVER?) AND COMPONENT? AND RING? AND (FOLD? OR
                  DEFORM? OR BEND)
? s s3 and dial?
>>>File 345 processing for DIAL? stopped at DIALKYLSULPHSUCCINATE
             170  S3
          112138  DIAL?
      S4       0  S3 AND DIAL?
? s s3 and contain?
             170  S3
         2456604  CONTAIN?
      S5      16  S3 AND CONTAIN?
? t
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5/9/12 (Item 3 from file: 347)
DIALOG(R)File 347:JAPIO

05308971 **Image available**
SEMICONDUCTOR FABRICATION APPARATUS

PUB. NO.: 08-264471 [JP 8264471 A]
PUBLISHED: October 11, 1996 (19961011)
INVENTOR(s): KATO HIROHISA
APPLICANT(s): FUJI ELECTRIC CO LTD [000523] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 07-060234 [JP 9560234]
FILED: March 20, 1995 (19950320)
INTL CLASS: [6] H01L-021/22; H01L-021/31
JAPIO CLASS: 42.2 (ELECTRONICS -- Solid State **Components**)

ABSTRACT

PURPOSE: To prevent a furnace core pipe from being **deformed** even in a heat treatment at high temperature over a long period of tin, and hence prolong a replacement period of the furnace core pipe by substantially matching the inner diameter of a liner pipe and the outer diameter of the furnace core pipe.

CONSTITUTION: A furnace core pipe 1 is a quartz one with 3mm thickness and about 180mm.phi. inner diameter, and **several** tens of semiconductor wafers are set in the furnace core pipe. A liner pipe 2 is set to surround the furnace core pipe 1. The liner pipe 2 is consisted of two divided liner pipe 2 has its thickness of about 3mm and its inner diameter larger by 2 to 5mm than its material quality which has a higher melting point and hence is high purity silicon carbide or aluminum substantially not **containing** impurity such as heavy metal. Opposite ends of the liner pipe 2 are fixed with a quartz **ring** 3.

CLIPPEDIMAGE= JP403253009A

PAT-NO: JP403253009A

DOCUMENT-IDENTIFIER: JP 03253009 A

TITLE: INDUCTOR AND TRANSFORMER

PUBN-DATE: November 12, 1991

INVENTOR-INFORMATION:
NAME
ATAKA, FUJIO
TAWARA, HIROMITSU

ASSIGNEE-INFORMATION:

NAME	COUNTRY
NEC CORP	N/A
NEC MIYAGI LTD	N/A

APPL-NO: JP02050940

APPL-DATE: March 2, 1990

INT-CL (IPC): H01F017/04;H01F019/00

US-CL-CURRENT: 29/602.1,336/192

ABSTRACT:

PURPOSE: To cut down the manufacturing manhours required for the winding process and the connection of winding ends to mounting terminals while enabling the title inductor even for large current to be made serviceable by one body formation of the surface mounting terminals and a winding part.

CONSTITUTION: In order to form an inductor, firstly, the conductive material sheet 1 of a conductor is cut off in a shape shown by broken lines to produce a conductor wire in folded back zigzag shape. Next, a hollow core inductor is

formed by bending the halfway parts of the folded back conductor wire alternately, upward and downward. This inductor is composed of winding parts 3 and four surface mounting terminals 4 holding the winding parts 3. This inductor can be manufactured in miniaturized shape having high inductance by fitting it with cores 5, 6 passing through the hollow part and covering the outer surface of the winding parts 3 so as to be held by a holder 7 formed into one body. Through these procedures, the manufacturing manhours in the winding process and the connection of winding ends to the terminals 4 can be cut down by the one body formation of the terminals 4 and the winding parts 3 thereby enabling the inductor even for large current to be easily manufactured.